

CLAIMS

1 1. A method for post-analyzing and sequentially visualizing a plurality of predefined
2 metrics in a stored dynamic data space, comprising:

3 storing in a datastore, values corresponding to the predefined metrics
4 received from an agent, each of said values representing a characteristic of one
5 of a plurality of entities in the data space;

6 retrieving said stored values from said datastore; and

7 displaying said retrieved values for selected ones of said predefined
8 metrics for sequential viewing on a graphical display.

1 2. The method according to claim 2, wherein said retrieving step, comprises:

2 accessing values in said datastore;

3 determining a starting position and an ending position of said stored
4 values to be retrieved; and

5 acquiring said sequentially stored values from said starting position
6 to said ending position.

1 3. The method according to claim 3, wherein said step of displaying said retrieved
2 values, comprises:

3 selecting at least one of the metrics for display for selected ones of said
4 entities; and

5 providing a graphical display of said selected metrics, said display
6 sequentially changing according to changes in said acquired values caused by
7 changes in the stored dynamic data space.

1 4. The method according to claim 4, further comprising controlling said sequentially
2 changing graphical display by selecting a playback function from the group
3 consisting of playing, forwarding, fast forwarding, rewinding, fast rewinding,
4 pausing, stepping and stopping.

1 5. A method for post-analyzing and visualizing predefined metrics for at least one of
2 a plurality of components in a CDN, the method comprising:

3 storing in a datastore, values for the predefined metrics received from an
4 agent, each of said values representing a characteristic of each component in
5 the CDN;

6 retrieving said stored values from said datastore; and

7 displaying said retrieved values for selected ones of said predefined
8 metrics for sequential playback on a graphical display.

1 6. The method according to claim 6, wherein said storing step, comprises storing
2 said values sequentially in time as said values are collected.

1 7. The method according to claim 7, wherein said retrieving step, comprises:

2 accessing stored values in said datastore;
3 determining a starting position and an ending position of said stored
4 values to be retrieved; and
5 acquiring said sequentially stored values from said starting position
6 to said ending position.

1 8. The method according to claim 8, wherein said step of displaying said retrieved
2 values, comprises:

3 selecting at least one of the metrics for display for selected ones of said
4 components; and

5 providing a graphical display of said selected metrics, said display
6 sequentially changing according to changes in said acquired values caused by
7 changes in the stored dynamic data space.

1 9. The method according to claim 9, further comprising controlling said sequentially
2 changing graphical display by selecting a playback function from the group
3 consisting of playing, forwarding, fast forwarding, rewinding, fast rewinding,
4 pausing, stepping and stopping.

1 10. A system for post-analyzing and visualizing predefined data metrics for at least
2 one of a plurality of communication components in a CDN, the system
3 comprising:

4 a datastore for storing values received from an agent for said predefined
5 metrics for each of the plurality of communication components;

6 a computing device for retrieving said stored values from said datastore;
7 and

8 a graphical display for sequentially playing back and viewing said
9 retrieved values for selected ones of said predefined metrics on a graphical
10 display.

11 11. The system according to claim 11, wherein said datastore, comprises a storage
12 for storing said values within said datastore as said values are collected.

13 12. The system according to claim 12, wherein said computing device, comprises:

14 a processor for accessing stored values in said datastore;

15 a processing means for determining a starting position and an ending
16 position of said stored values to be retrieved; and

17 a second processing means for acquiring said sequentially stored values
18 from said starting position to said ending position.

19 13. The system according to claim 13, wherein said display, comprises:

20 means for selecting at least one of the metrics for display for selected
21 ones of said communication component; and

4 a graphical display for displaying said selected metrics, said display
5 sequentially changing according to changes in said acquired values caused by
6 changes in the stored dynamic data space.

1 14. The system according to claim 14, further comprising a user interface for
2 controlling said sequentially changing graphical display by selecting a playback
3 function from the group consisting of playing, forwarding, fast forwarding,
4 rewinding, fast rewinding, pausing, stepping and stopping function.

1 15. A machine readable storage having stored thereon, a computer program having
2 a plurality of code sections for post-analyzing and sequentially visualizing a
3 plurality of predefined metrics in a stored dynamic data space, said code
4 sections executable by a machine for causing the machine to perform the steps
5 of:

6 storing in a datastore, values corresponding to predefined metrics
7 received from an agent, each of said values representing a characteristic of one
8 of a plurality of an entities in the dynamic data space;

9 retrieving said stored values from said datastore; and

10 displaying said retrieved values for selected ones of said predefined
11 metrics for sequential viewing on a graphical display.

1 16. The machine readable storage according to claim 16, wherein said storing step,
2 comprises storing said values for the predefined metrics sequentially in time as
3 said values are collected.

1 17. The machine readable storage according to claim 17, wherein said retrieving
2 step, comprises:

3 accessing values in said datastore;

4 determining a starting position and an ending position of said stored
5 values to be retrieved; and

6 acquiring said sequentially stored values from said starting position
7 to said ending position.

1 18. The machine readable storage according to claim 18, wherein said step of
2 displaying said retrieved values, comprises:

3 selecting at least one of the metrics for display for selected ones of said
4 entities; and

5 providing a graphical display of said selected metrics, said display
6 sequentially changing according to changes in said acquired values caused by
7 changes in the stored dynamic data space.

1 19. The machine readable storage according to claim 19, further comprising
2 controlling said sequentially changing graphical display by selecting a playback

function from the group consisting of playing, forwarding, fast forwarding, rewinding, fast rewinding, pausing, stepping and stopping.

20. A machine readable storage having stored thereon, a computer program having a plurality of code sections for post-analyzing and visualizing predefined metrics for at least one of a plurality of components in a CDN, said code sections executable by a machine for causing the machine to perform the steps of:

storing in a datastore, values for the predefined metrics received from an agent, each of said values representing a characteristic of each component in the CDN;

retrieving said stored values from said datastore; and

displaying said retrieved values for selected ones of said predefined metrics for sequential playback on a graphical display.

21. The machine readable storage according to claim 21, wherein said storing step, comprises storing said values sequentially in time as said values are collected.

22. The machine readable storage according to claim 22, wherein said retrieving step, comprises:

accessing stored values in said datastore;

determining a starting position and an ending position of said stored values to be retrieved; and

6 acquiring said sequentially stored values from said starting position
7 to said ending position.

1 23. The machine readable storage according to claim 23, wherein said step of
2 displaying said retrieved values, comprises:

3 selecting at least one of the metrics for display for selected ones of said
4 components; and

5 providing a graphical display of said selected metrics, said display
6 sequentially changing according to changes in said acquired values caused by
7 changes in the stored dynamic data space.

1 24. The machine readable storage according to claim 24, further comprising
2 controlling said sequentially changing graphical display by selecting a playback
3 function from the group consisting of playing, forwarding, fast forwarding,
4 rewinding, fast rewinding, pausing, stepping, and stopping.